

FIG. 1

FIG. 2A is a block diagram of a network system. The system includes a PC 201, a CABLE MODEM 211, a ROUTER 225, a ROUTER 230, and two other devices 241 and 242. The PC 201 is connected to the CABLE MODEM 211. The CABLE MODEM 211 is connected to the ROUTER 225. The ROUTER 225 is connected to the ROUTER 230. The ROUTER 230 is connected to the devices 241 and 242. The devices 241 and 242 are also connected to a common bus 251 and 252. The ROUTER 225 includes a block 226 and a block 227. The ROUTER 230 includes a block 228. The devices 241 and 242 are also connected to a common bus 251 and 252.

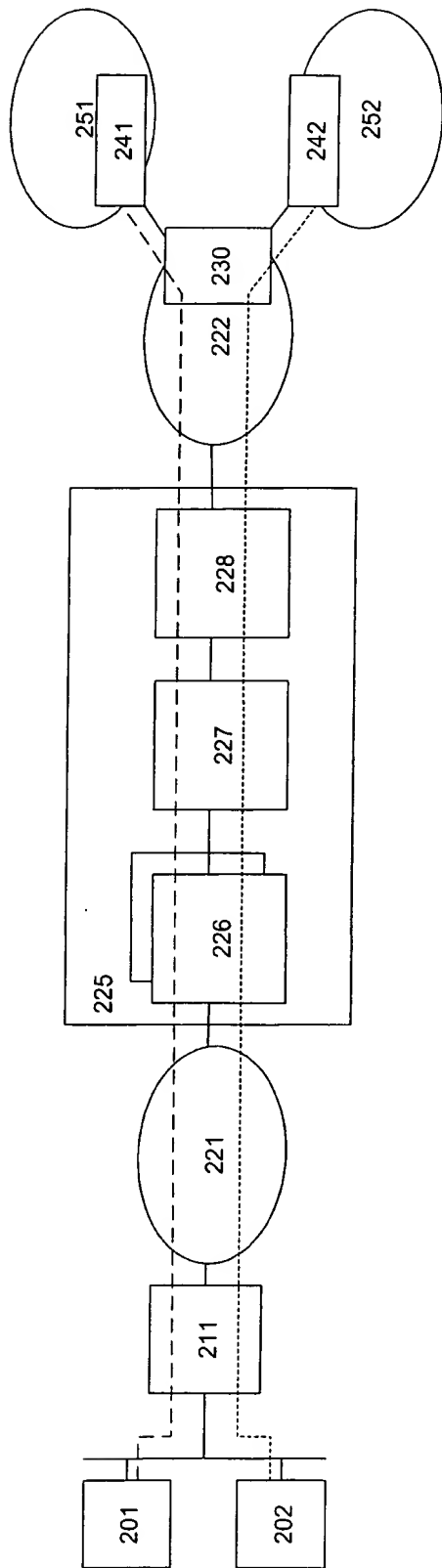


FIG. 2A

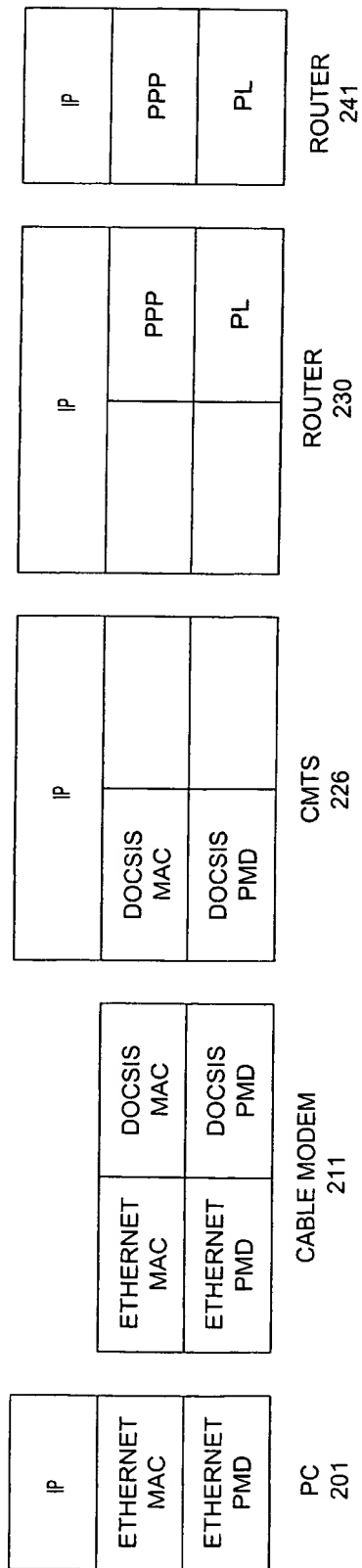


FIG. 2B

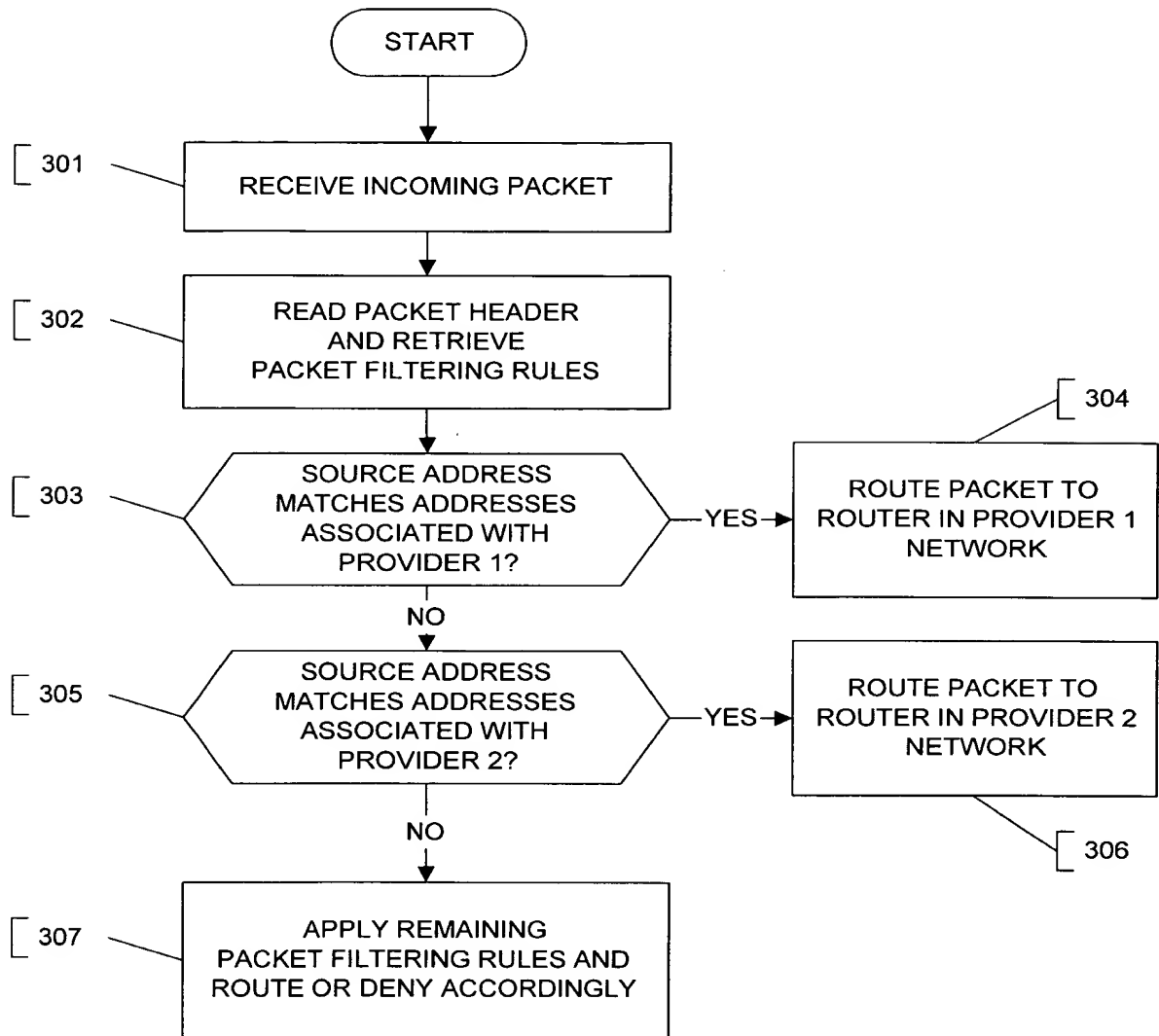


FIG. 3

```
401 interface cable x/y
402 ...
403 ip policy route-map source_route
404 ...
405 !

406 route-map source_route
407 match ip address isp1_subs
408 set ip next-hop isp1_next-hop_address
409 match ip address isp2_subs
410 set ip next-hop isp2_next-hop_address
411 ...
412 access-list isp1_subs permit isp1_prefix1
isp1_prefix1_wildcard any any
413 access-list isp1_subs permit isp1_prefix2
isp1_prefix2_wildcard any any
414 ...
```

FIG. 4

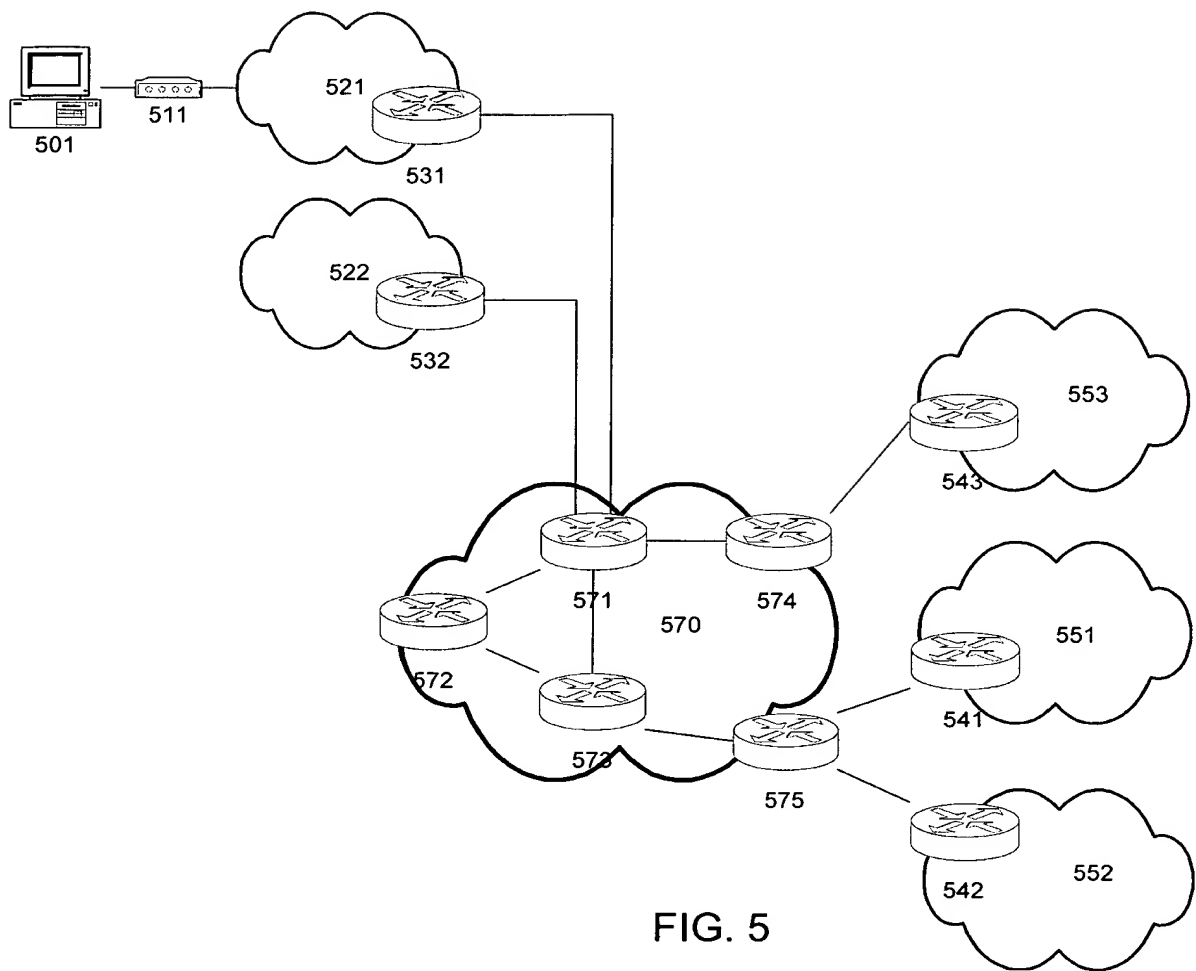


FIG. 5

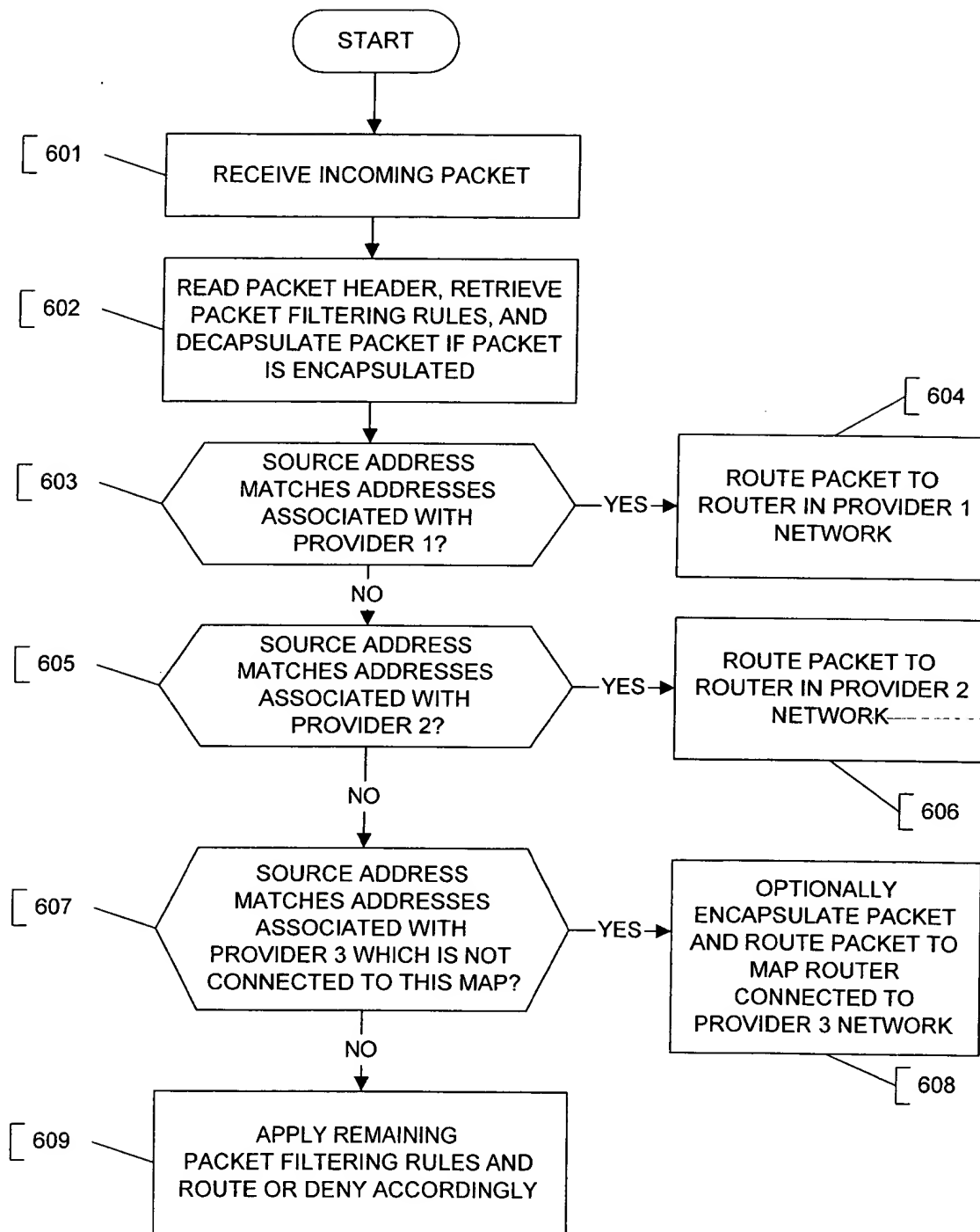


FIG. 6

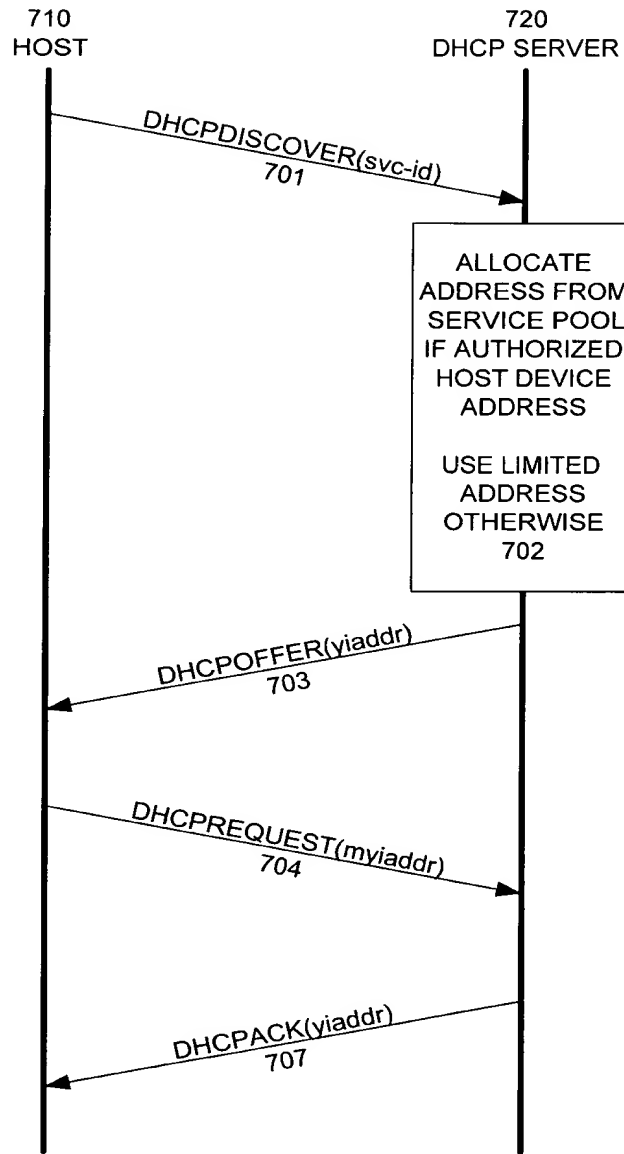


FIG. 7

op	htype	hlen	hops
xid 801			
secs		flags	
ciaddr 802			
yiaddr 805			
siaddr 806			
giaddr 807			
chaddr 808			
sname			
file			
options 810			
message type 815			
svc-id 820			
joe@xyz.com			

FIG. 8

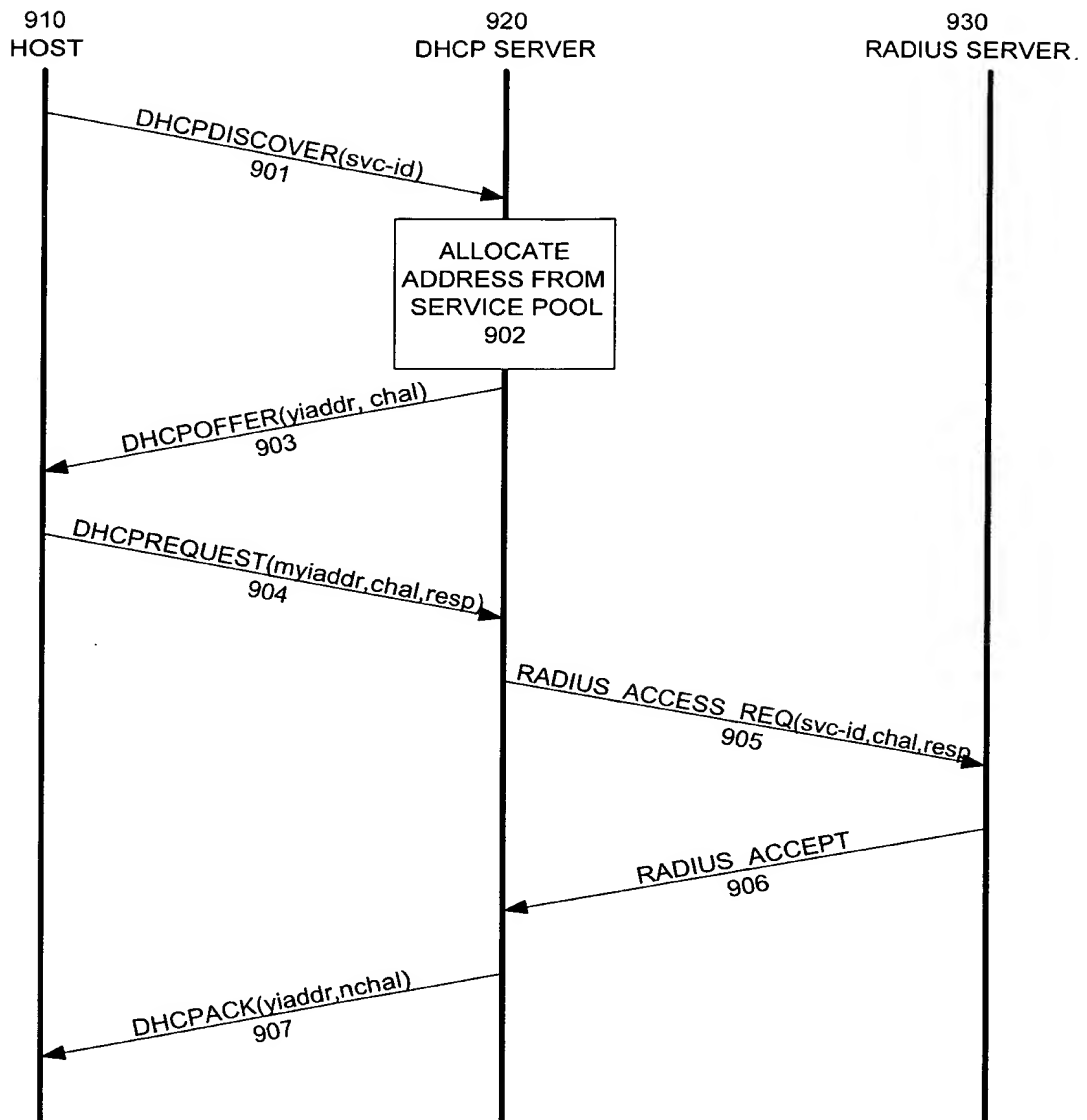


FIG. 9

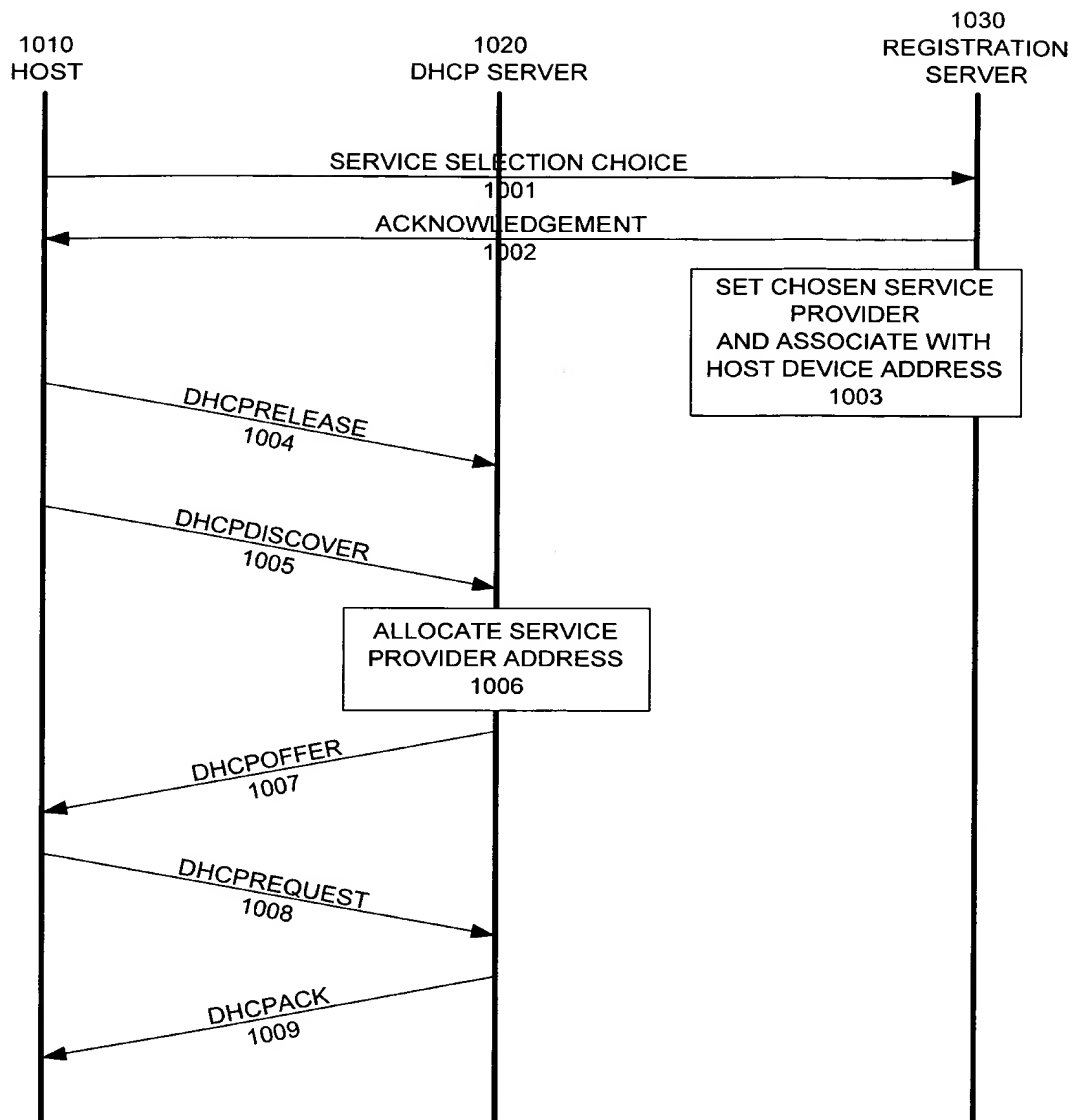


FIG. 10

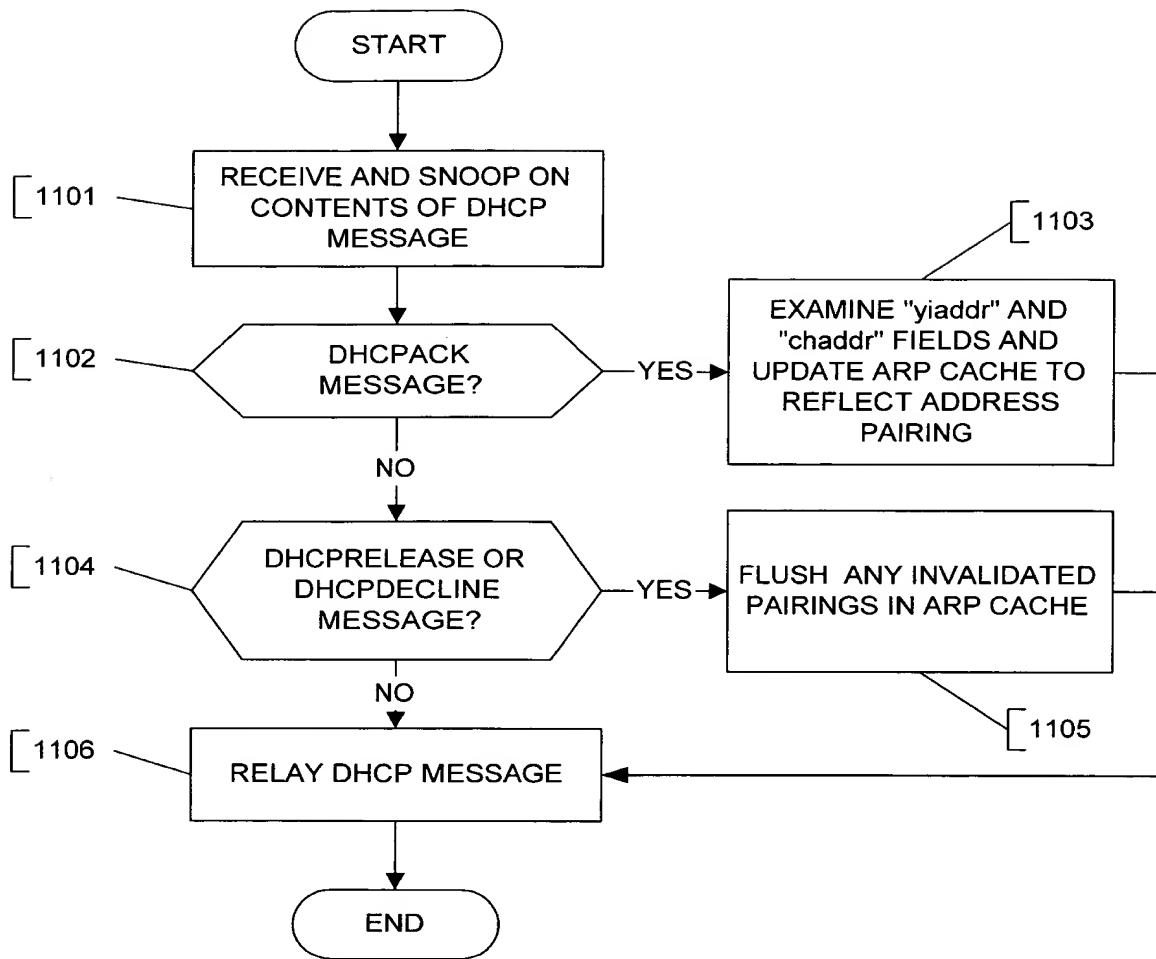


FIG. 11

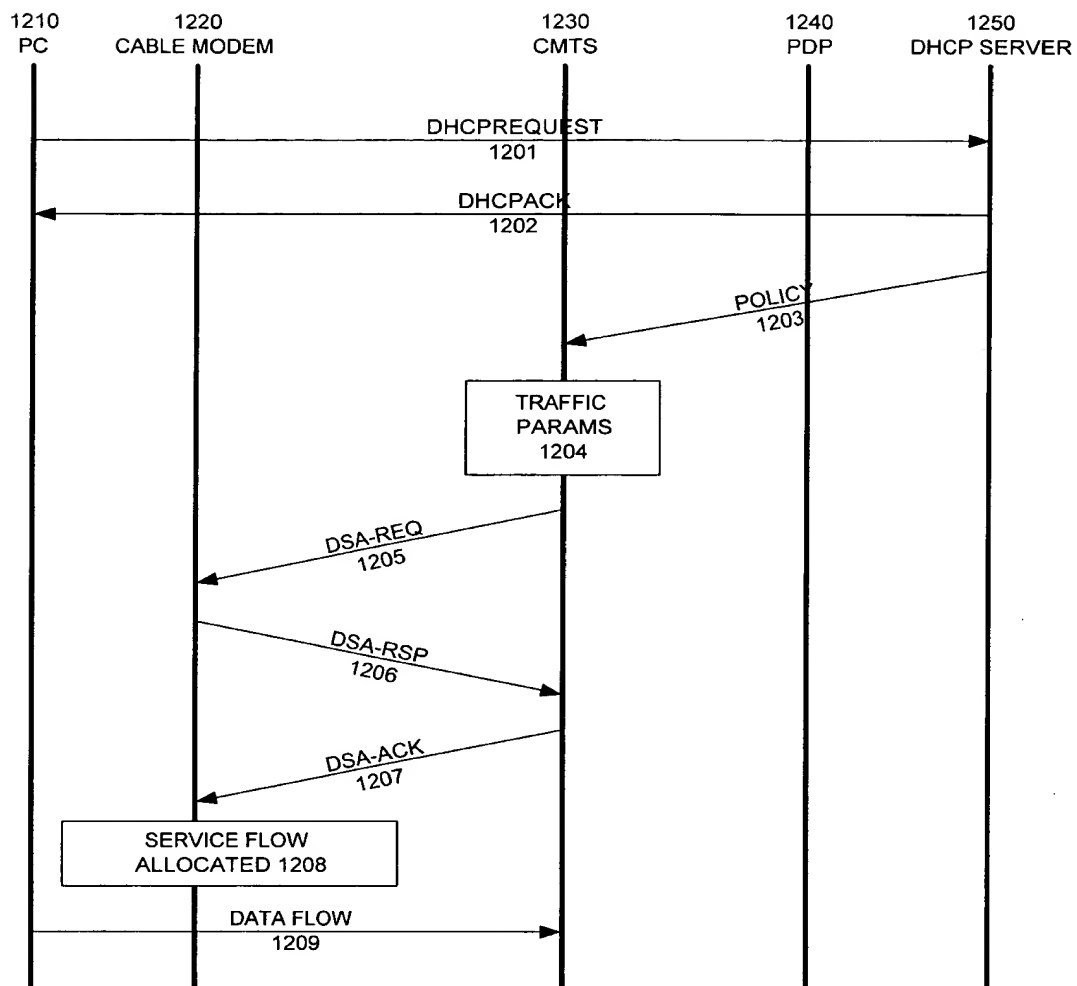


FIG. 12

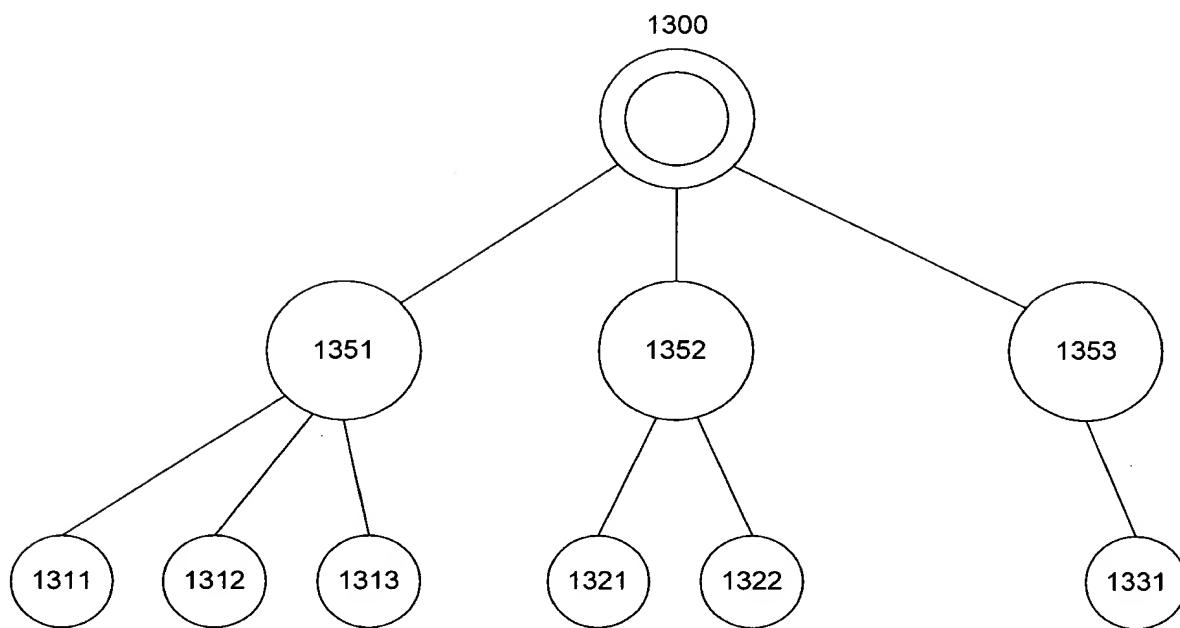


FIG. 13